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| Mr. Michael T. Davis  Calculus  This quiz is due at the start of class on Tuesday, February 21 | | Section 4.2 Take-Home Quiz  February 17, 2017 | |
| Name: | |

1. Find  given 
2. Find  given 
3. Find  given 
4. Find and the slope of the curve of  at the point 
5. Find the equations of the lines that are (a) tangent and (b) normal to the curve of  at the point 
6. Find the equations of the lines that are (a) tangent and (b) normal to the curve of  at the point 
7. You must show all the steps in your work. Given the relation , then 

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1. You must show all the steps in your work. Given the relation , then 

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1. Find  given 

**Optional Extra Credit (you may continue your work on the back of this paper)**

You must show all the steps in your work. Given the relation , then 